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# UPDATE ON PAVEMENT CONDITION & GOALS

#### STREET INVENTORY

Street Miles by Material	
Asphalt	286.13
Gravel	13.16
Concrete	6.60
Brick	0.72
TOTAL	306.61

## Approximately:

- 1/3 of the system classified as "Major" streets.
- 2/3 of the system classified as "Minor" or "Local" streets.

#### PAVEMENT CONDITION



Currently using PASER rating system:

6-10 = Good

4-5 = Fair

1-3 = Poor

 System is consistent with that used by MDOT and most other local agencies in Michigan

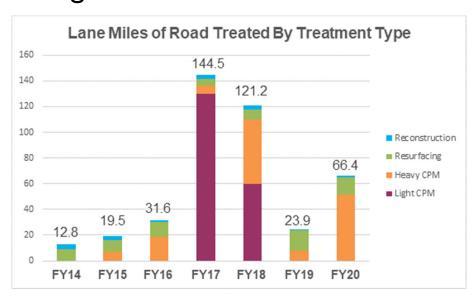
#### PAVEMENT ASSET MANAGEMENT

How do we improve our roads? Pavement Asset Management

Previously, strategies focused on resurfacing and reconstruction —

"Worst First". Why is that bad?

- Key paradigm shift in 2014:
  - "The right fix at the right time"
  - Expanding the "mix of fixes"
  - Capital Preventative Maintenance



#### TARGET LEVEL OF SERVICE

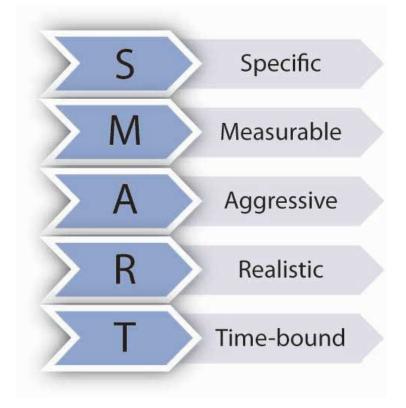
- In 2016, Staff had developed a goal of 80% of streets to be a 7 or better by 2026
- As of 2019:
  35% of Major Streets were rated 7 or up
  26% of Local Streets were rated 7 or up
- New data (Oct. 2021):
   39% of Major Streets were rated 7 or up
   27% of Local Streets were rated 7 or up
   System-wide average rating of 5.08



#### **RE-EVALUATION OF GOAL**

Feedback has been that current goal is unrealistic.

- Greater familiarity with modeling software
- Benchmarking vs. other communities
- Transportation Asset Management Council (TAMC) - Goal should be realistic



#### PROPOSED GOALS

New proposed pavement condition goals for 2026:

Average system-wide PASER rating of 6 or better

- Major Roads min. 60% at 6 or above (currently 58%)
- Local Roads min. 45% at 6 or above (currently 36%)

Goals to be set for streets in the "Poor" category:

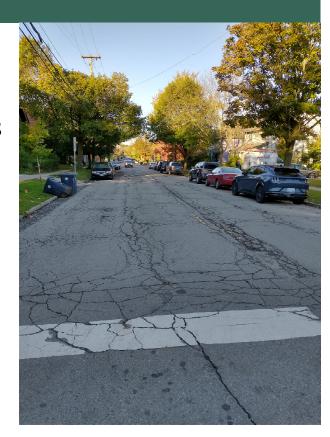
- Major Roads max ?% at 3 or worse (currently 22%)
- Local Roads max ?% at 3 or worse (currently 39%)



## PROPOSED GOALS, CONT.

## Rationale for new goals:

- Sets average, but also seeks to fix worst roads
- Benchmarking vs. other communities
- Goals are aggressive but achievable
- More aligned with resident expectations



#### **NEXT STEPS**

- Perform additional modeling with new goals in mind
- Refine pavement maintenance strategy
- Pavement condition scoring in 2023 & 2025
- Analysis of different goals and level of additional investment needed to reach them

Longer term – if goals are achieved by 2026, reevaluate goals and possibly raise the criteria.



## **CHALLENGES**

- Increasing construction costs
- Contractor Capacity
- COVID related material and staffing shortages
- Pressure to resurface more of the worst streets



## QUESTIONS

Thank you for your time.

Questions will be addressed as time allows, or further questions can be e-mailed to Sara Higgins.

